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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,974	09/23/2003	Norifumi Hasegawa		7883
7590	06/16/2006			EXAMINER
LORUSSO, LOUD & KELLY 3137 Mount Vernon Avenue Alexandria, VA 22305				HAILEY, PATRICIA L
			ART UNIT	PAPER NUMBER
			1755	

DATE MAILED: 06/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/667,974	HASEGAWA, NORIFUMI
	Examiner	Art Unit
	Patricia L. Hailey	1755

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 30 March 2006.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-3,5-7 and 10-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 13,18 and 20-32 is/are allowed.
- 6) Claim(s) 1-3,5-7,10,12 and 14-17 is/are rejected.
- 7) Claim(s) 11, 19, and 21-28 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 30 March 2006 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. _____.
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

Applicants' remarks and amendments, filed on March 30, 2006, have been carefully considered. No claims have been canceled or added; claims 1-3, 5-7, and 10-32 remain pending in this application.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Applicants' Priority Documents were filed on March 5, 2004.

Drawings

The replacement drawings submitted by Applicants on March 30, 2006, have been considered and are accepted.

Withdrawn Objections and Rejections

The objection to the Substitute Specification filed October 6, 2005, for the informalities therein, has been withdrawn in view of the proper copy of the clean version of said Substitute Specification submitted on March 30, 2006.

The 102(b) rejection of claims 1-3, 5-7, 10, 11, and 18, and 20-32 as being anticipated by Vanderborgh et al. (U. S. Patent No. 4,804,592), stated in the previous Office Action, has been withdrawn in view of Applicants' amendments and persuasive arguments traversing this rejection.

The 102(b) rejection of claims 12, 13, 16, 17, and 19 as being anticipated by Chen et al. (U. S. Patent No. 6,187,157) stated in the previous Office Action, has been withdrawn in view of Applicants' amendments and persuasive arguments traversing this rejection.

Maintained Rejection

The following rejection of record has been maintained.

Double Patenting

2. *Claims 1-3, 5-7, 10, 12, and 14-17 remain provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1, 2, 4-6, 8-12, and 14-17 of copending Application No. 10/509,752.*

Although the conflicting claims are not identical, they are not patentably distinct from each other because the respective sets of claims are both directed to mixed conductors, but do not define the mixed conductors in identical terms. However, the claims correspond to one another in the following manner:

Instant claims 1-7 and 7 correspond to claims 1, 2, and 8-11 of the copending application. Instant claims 5, 6, and 10 correspond to claims 4-6, respectively, of the copending application. Instant claims 12 and 14-16 correspond to claims 12 and 15-17, respectively, of the copending application. Instant claim 17 corresponds to claim 14 of the copending application.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Allowable Subject Matter

3. Claims 11, 19, and 21-28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. Claims 13, 18, and 20-32 are allowed.

Applicants are respectfully informed that the indication of allowable subject matter in this Office Action could be withdrawn, pending the examination of Application Serial No. 10/509,752.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia L. Hailey whose telephone number is (571) 272-1369. The examiner can normally be reached on Mondays-Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo, can be reached on (571) 272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group 1700 Receptionist, whose telephone number is (571) 272-1700.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Patricia L. Hailey
Patricia L. Hailey / plh
Examiner, Art Unit 1755
June 9, 2006


A. LORENZO
SUPERVISORY PATENT EXAMINER